

Fig. 1

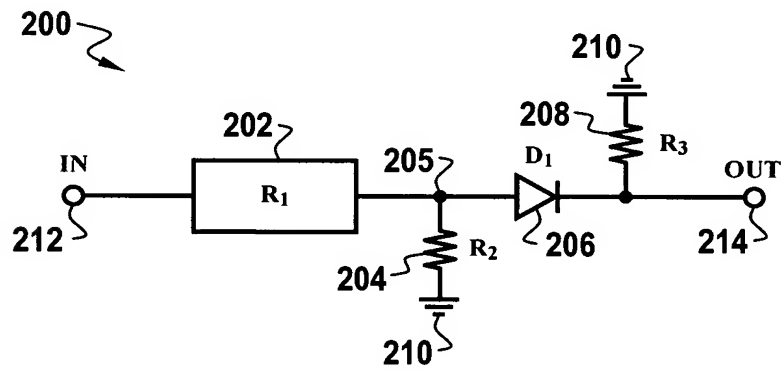


Fig. 2

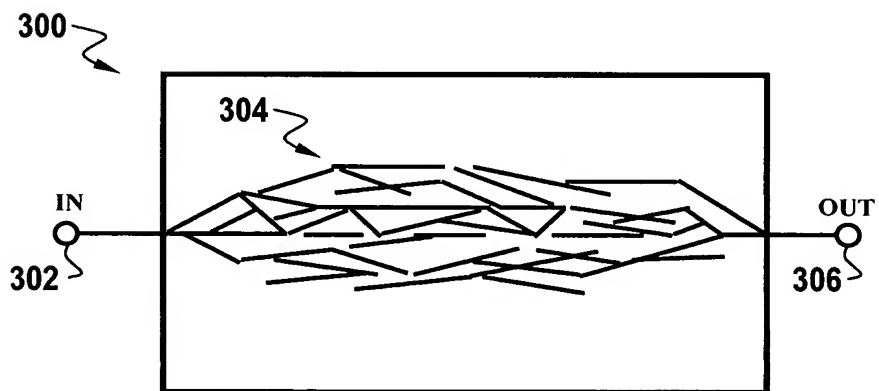


Fig. 3

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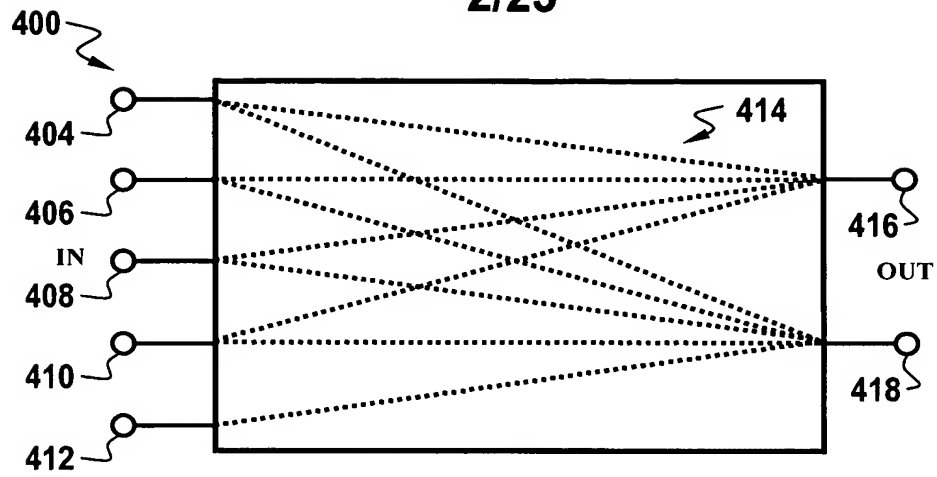


Fig. 4

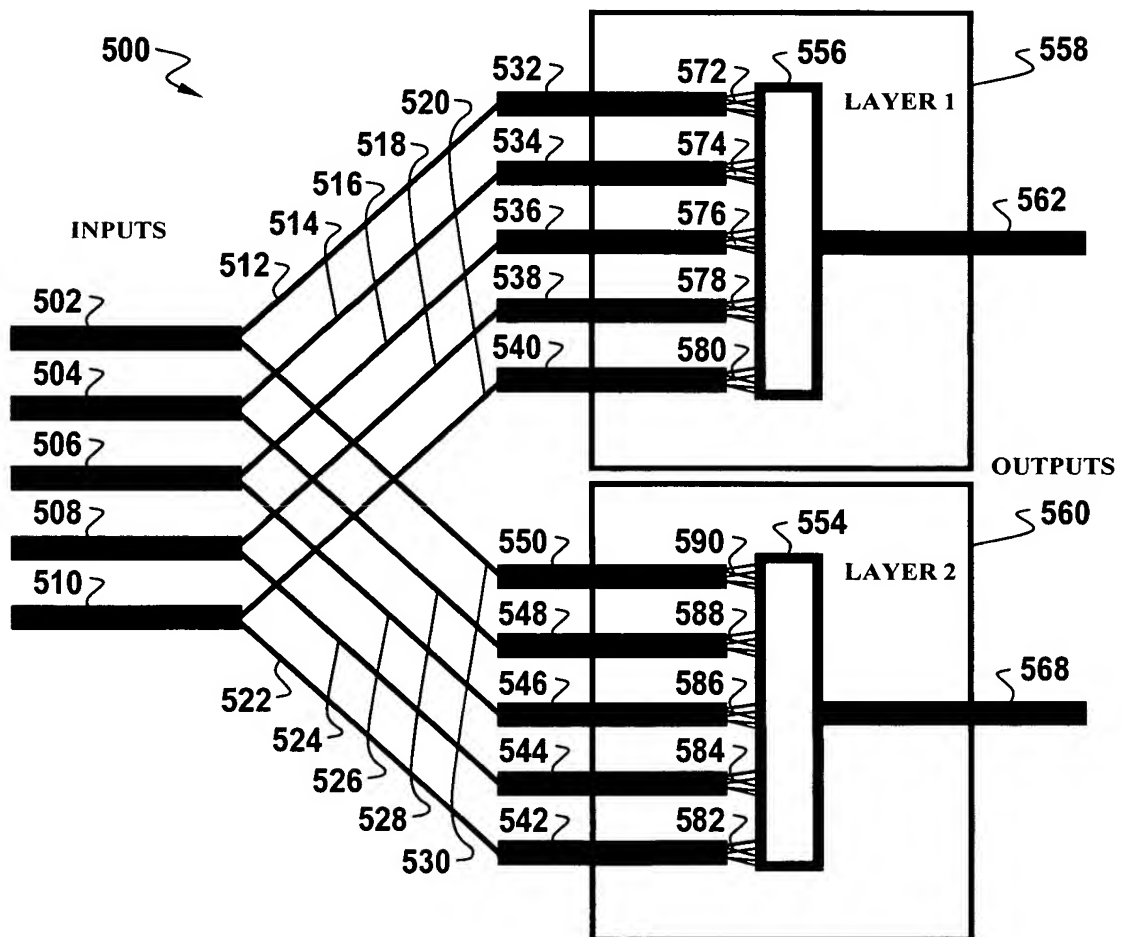


Fig. 5

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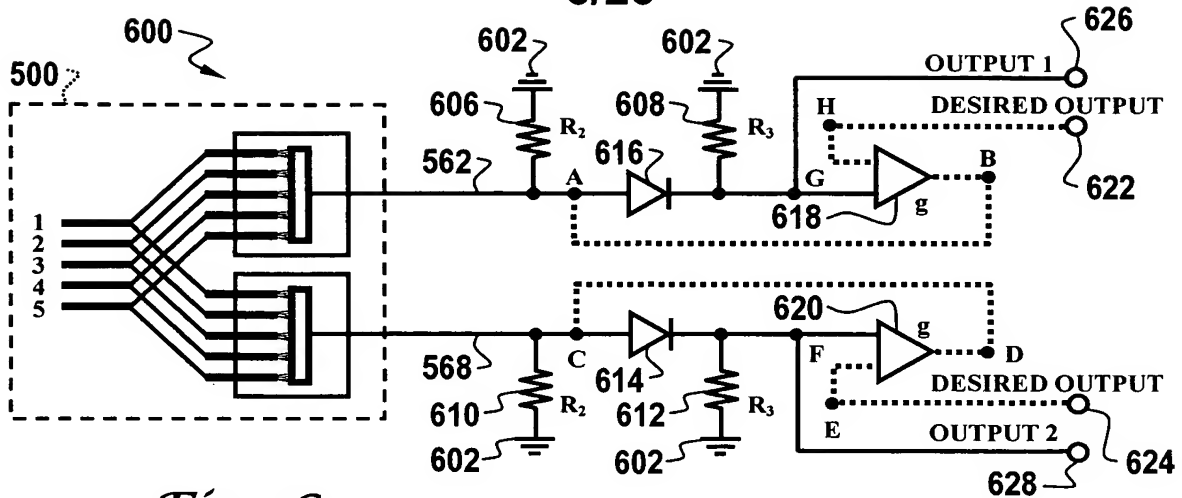


Fig. 6

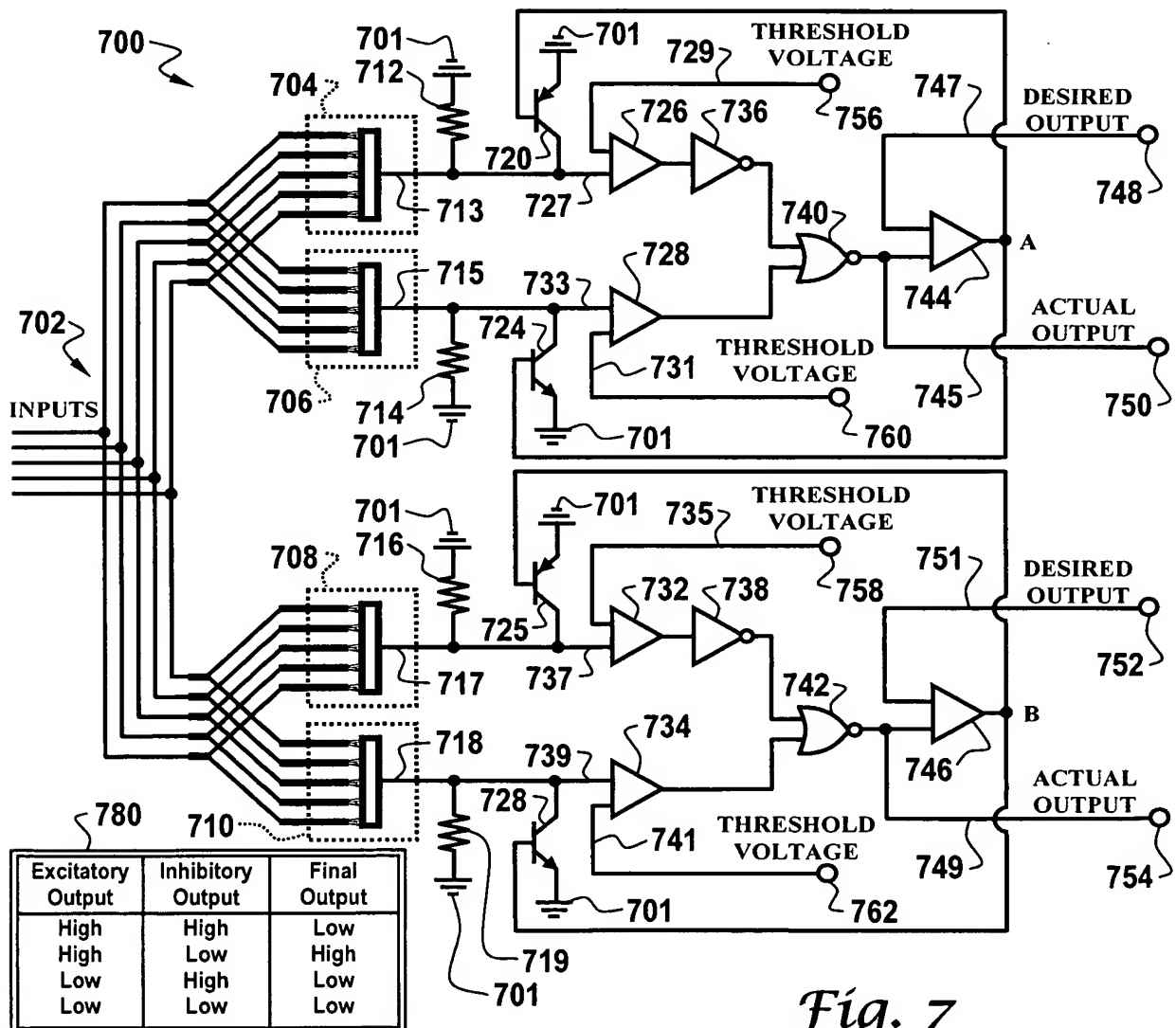


Fig. 7

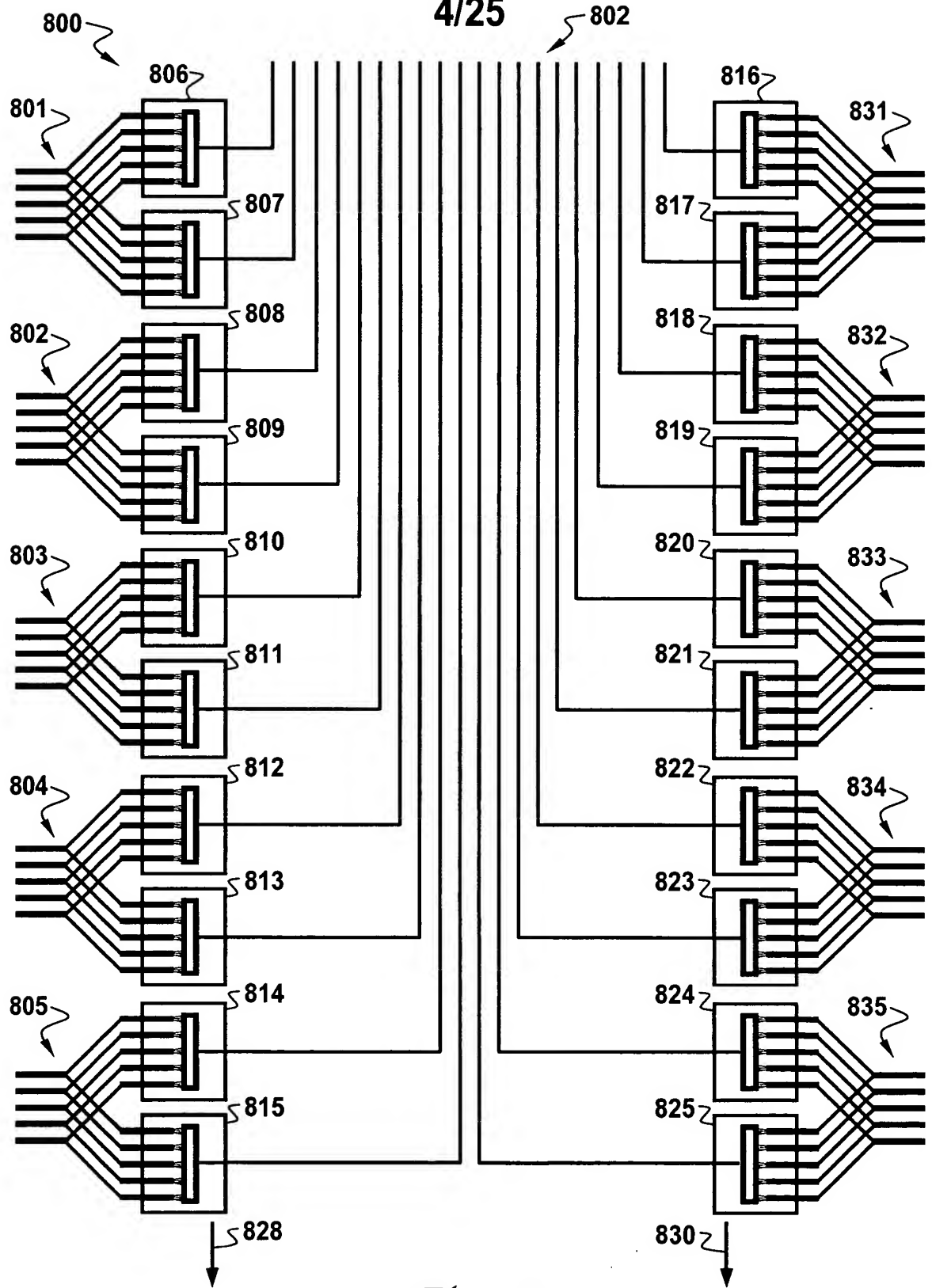


Fig. 8

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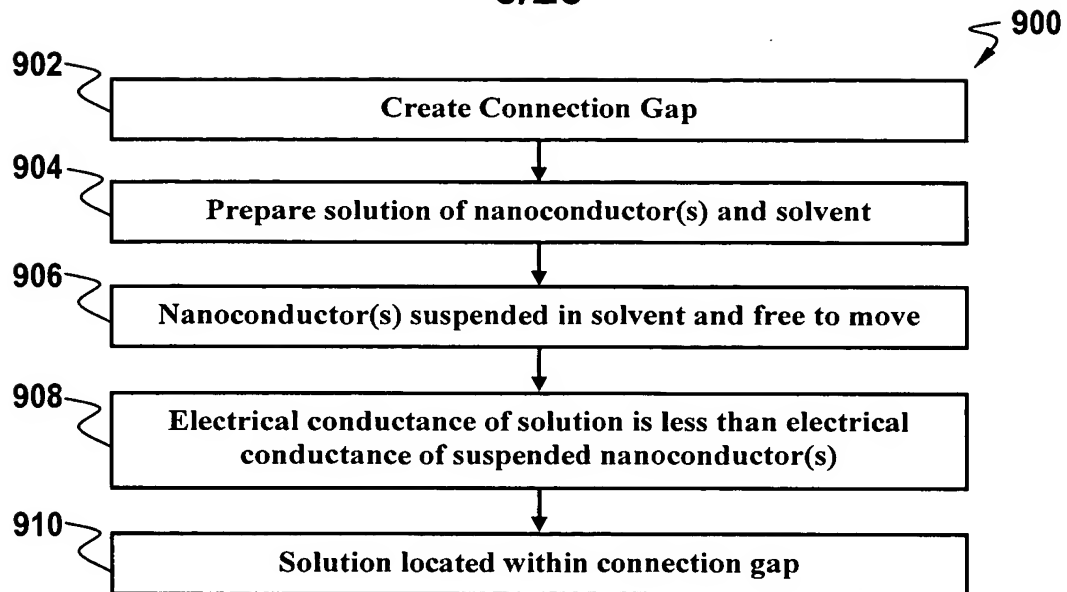


Fig. 9

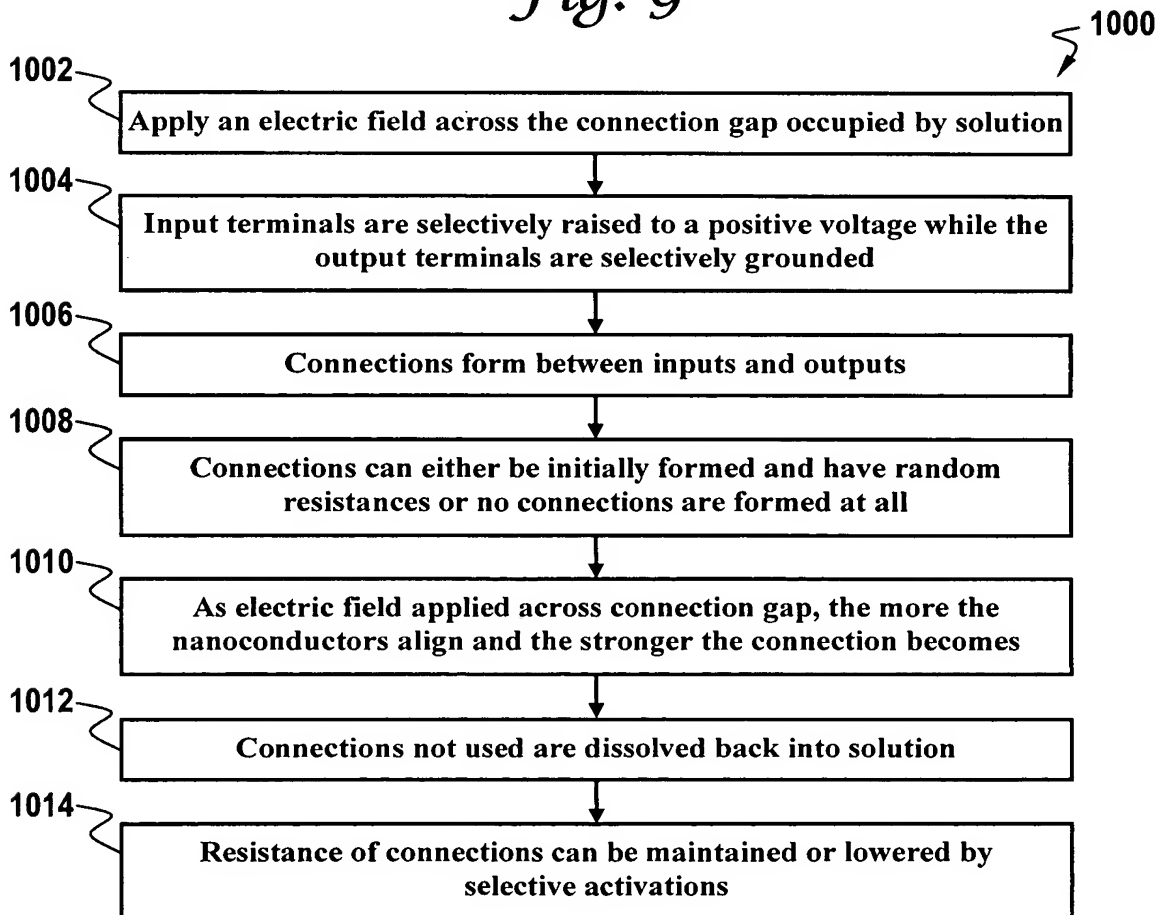


Fig. 10

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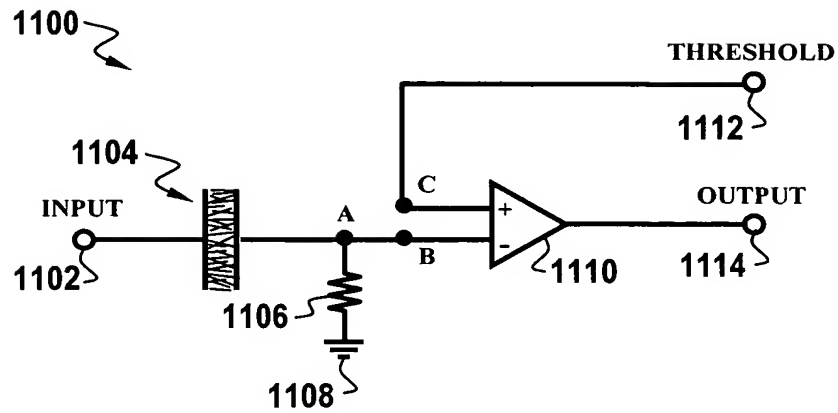


Fig. 11

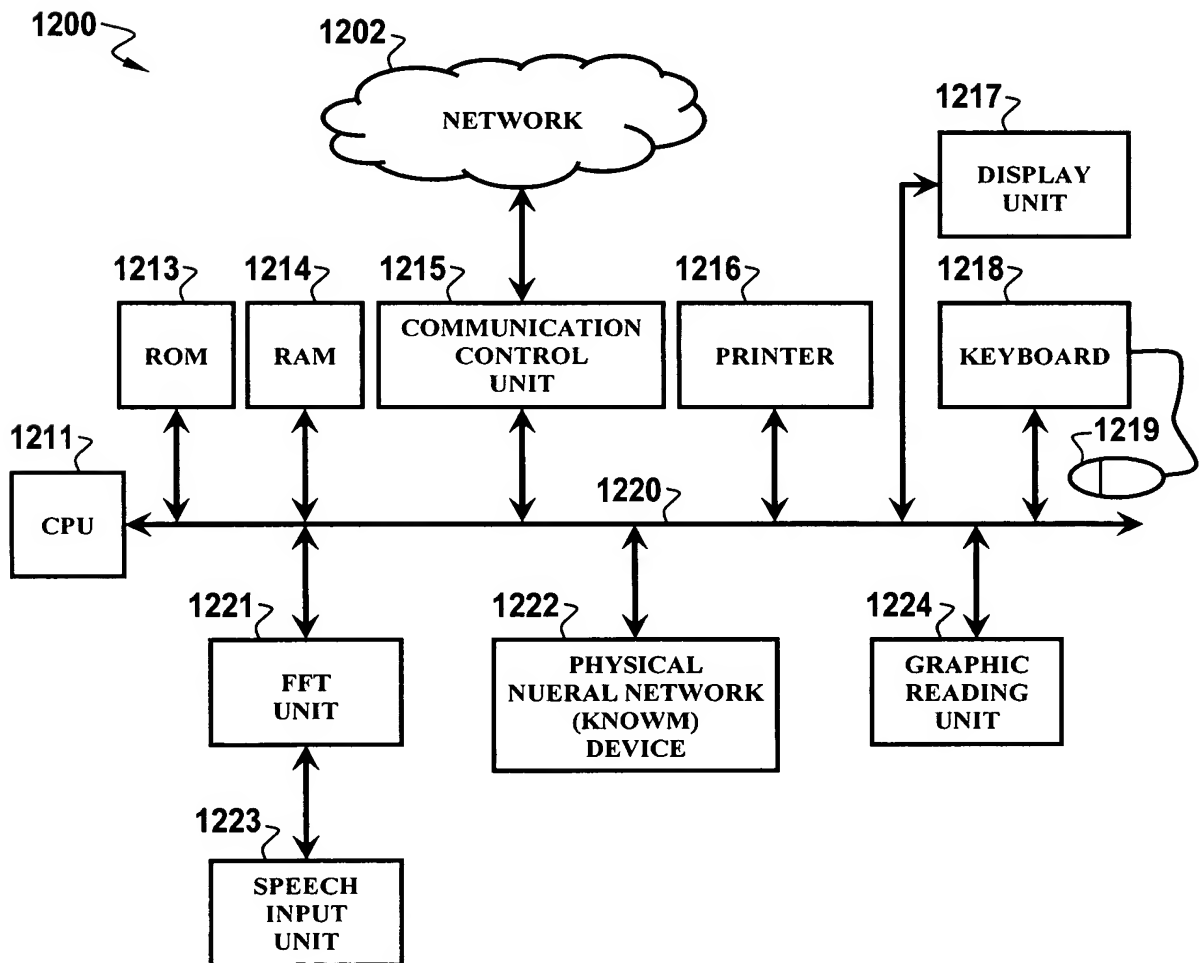


Fig. 12

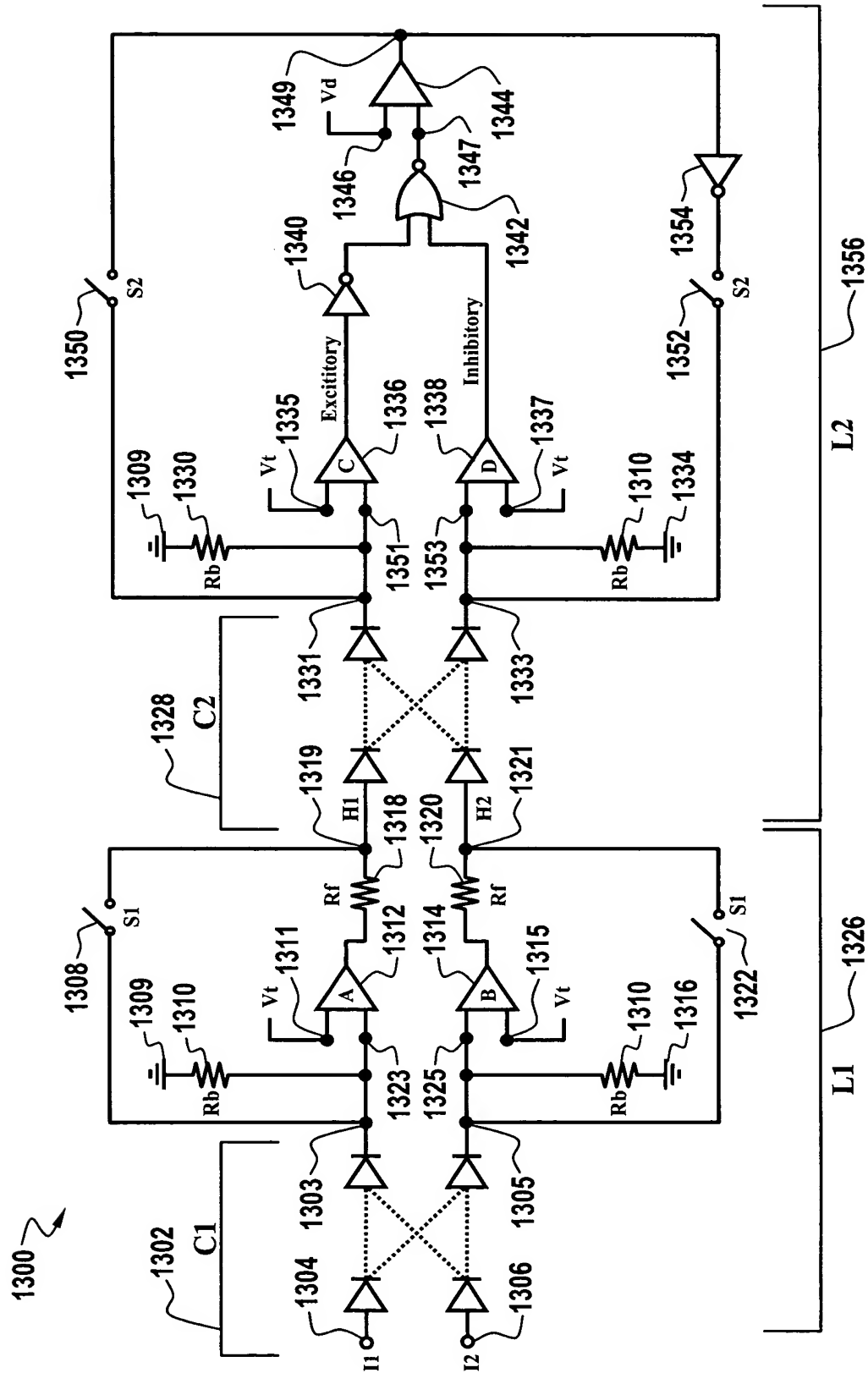


Fig. 13

Fig. 14

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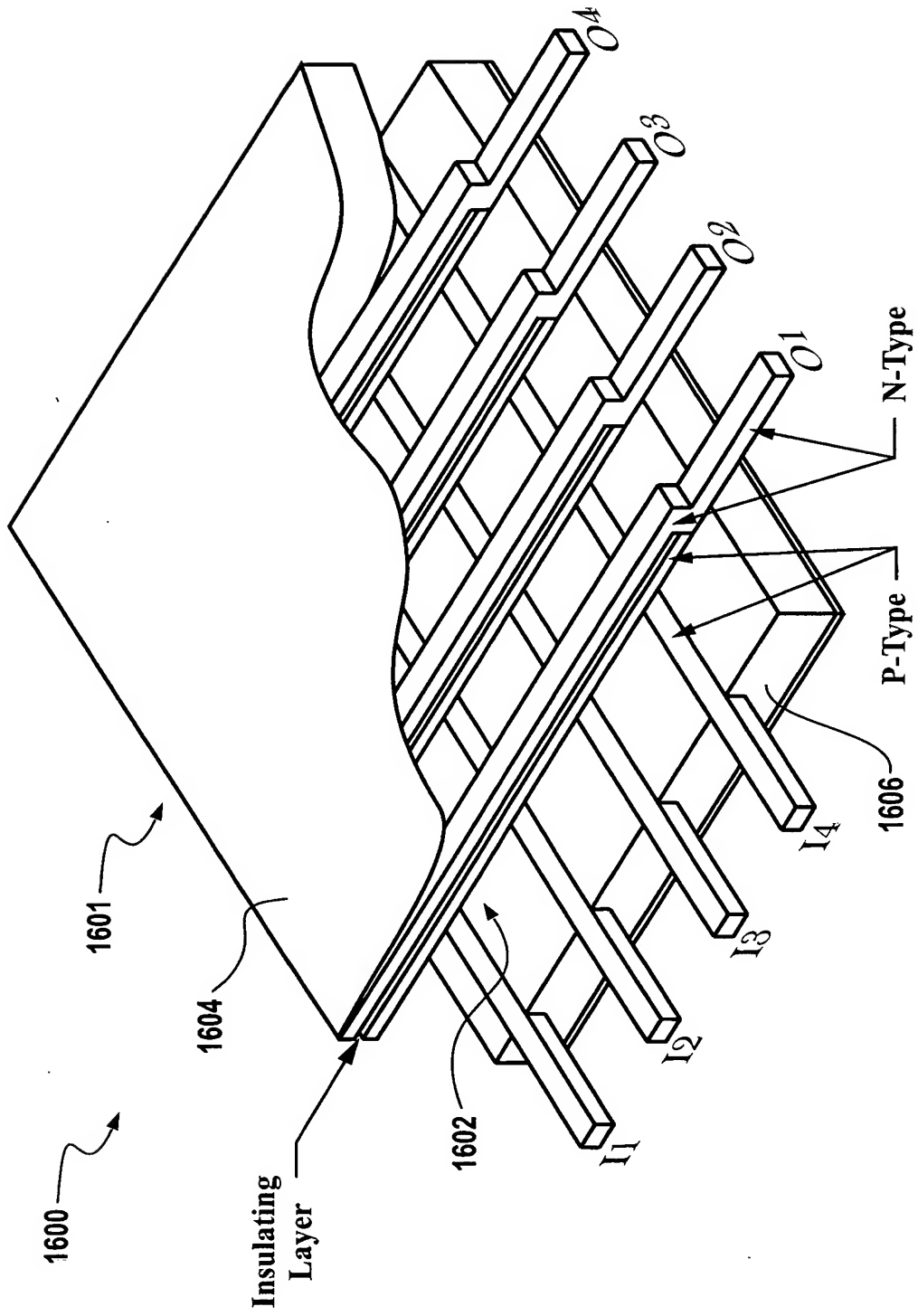


Fig. 15

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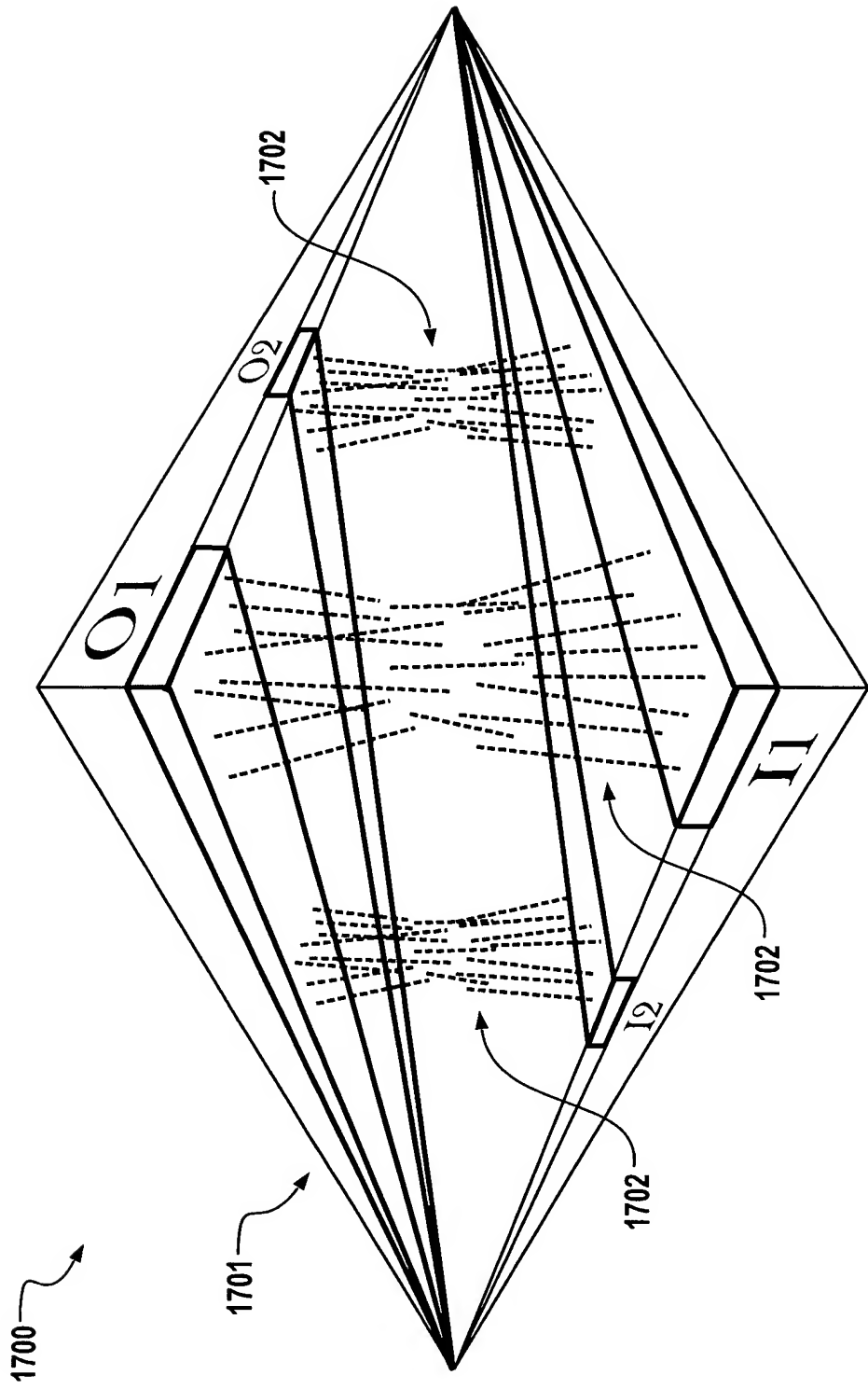


Fig. 16

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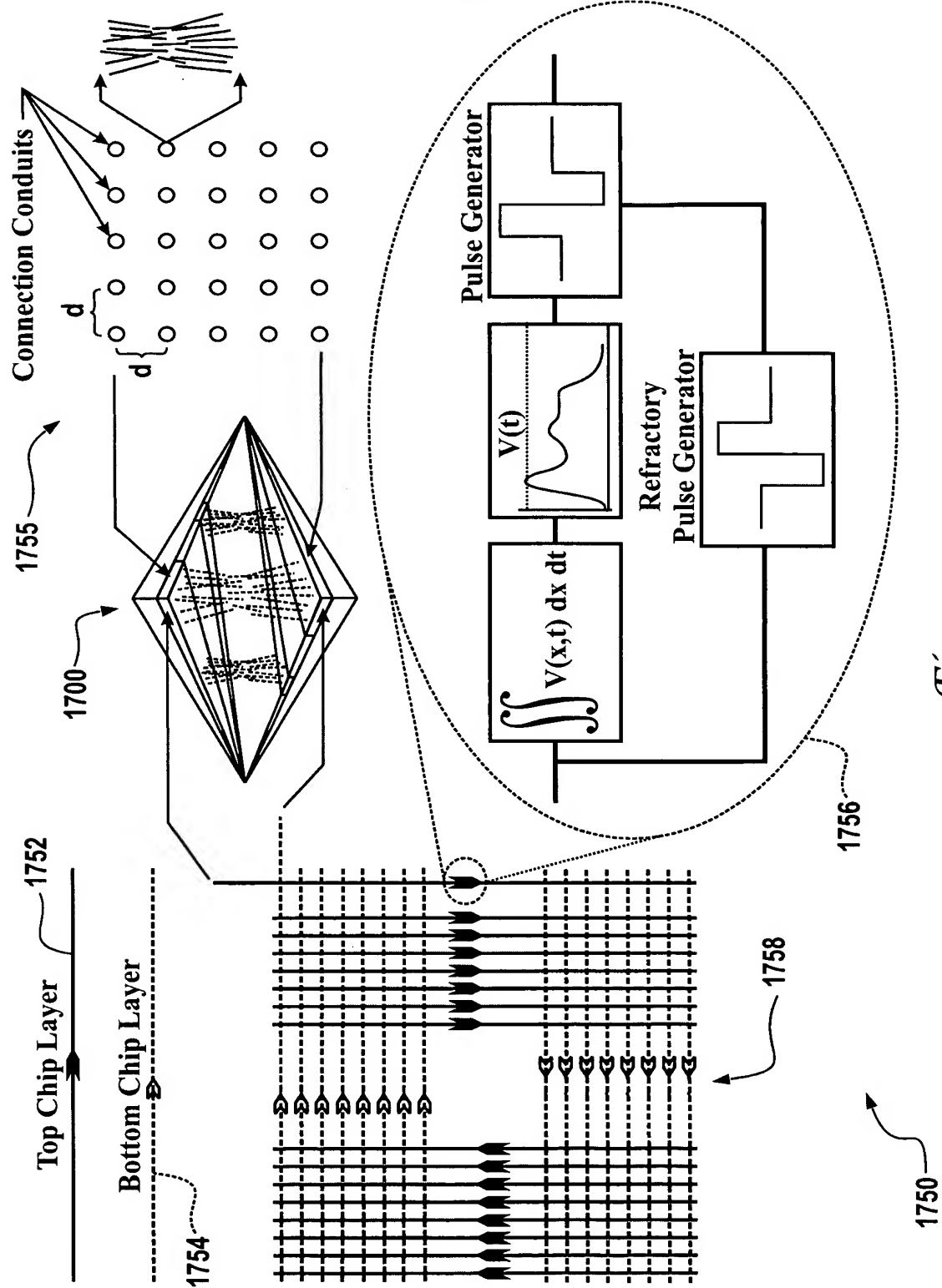


Fig. 17

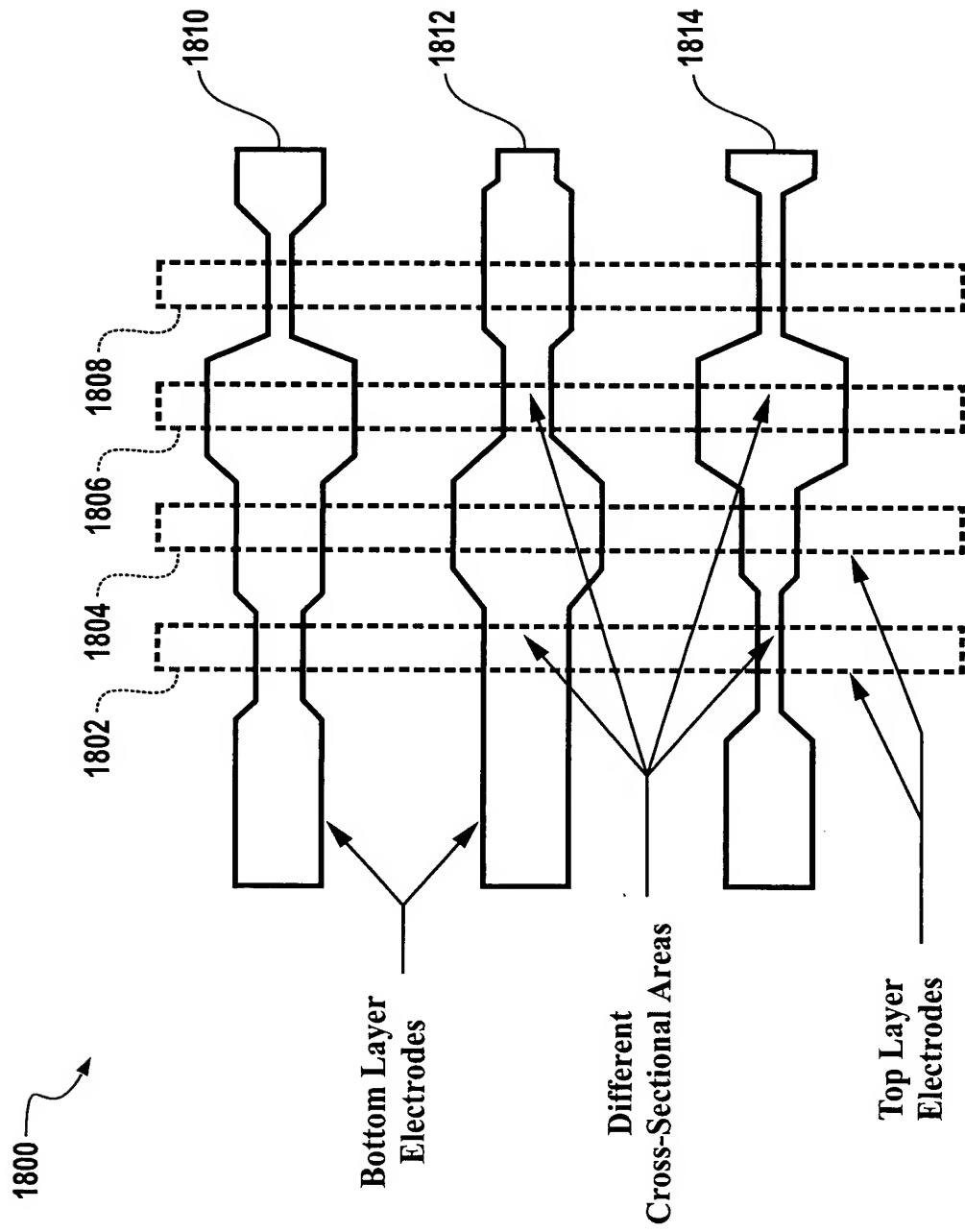
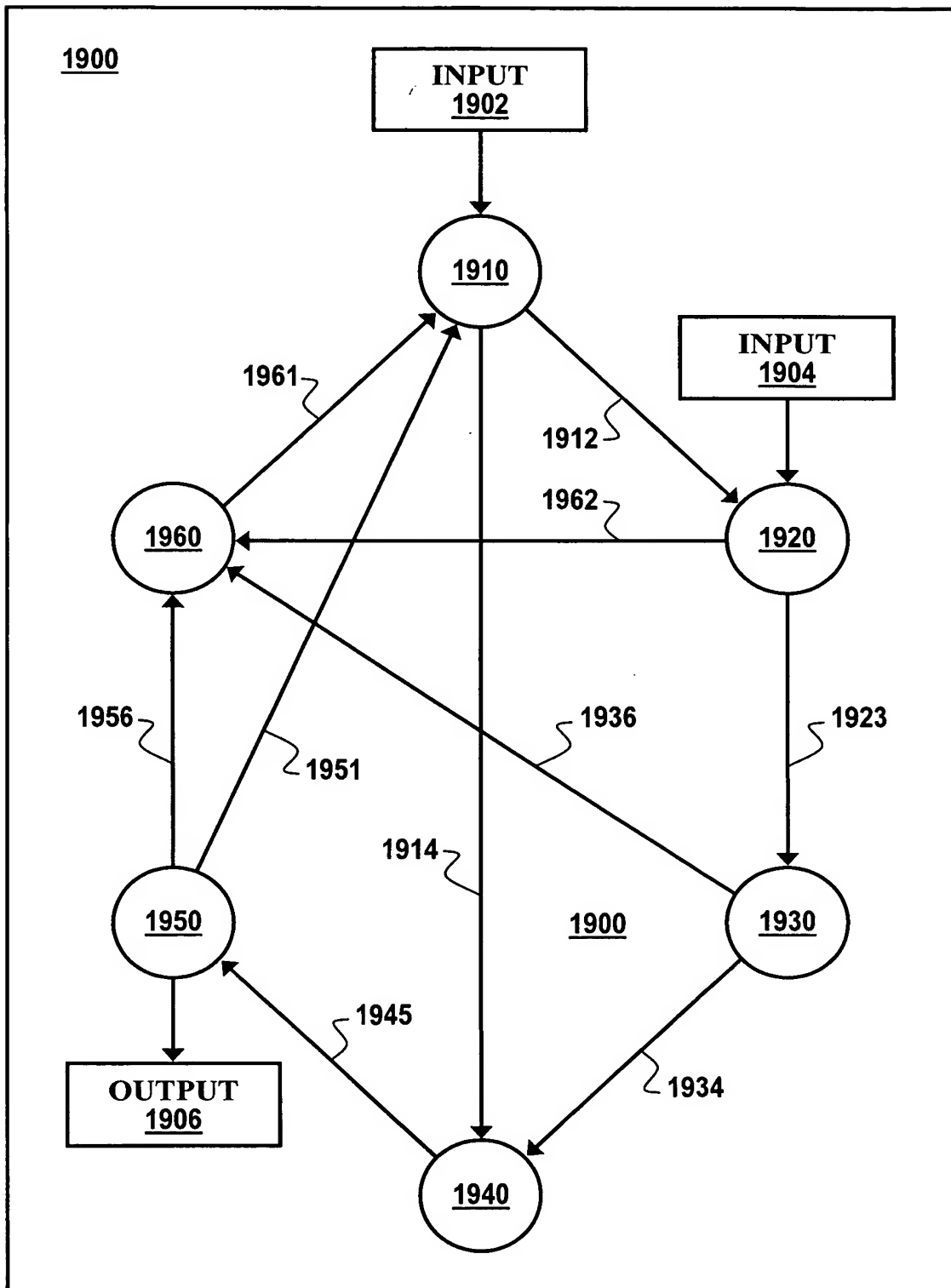


Fig. 18

*Fig. 19*

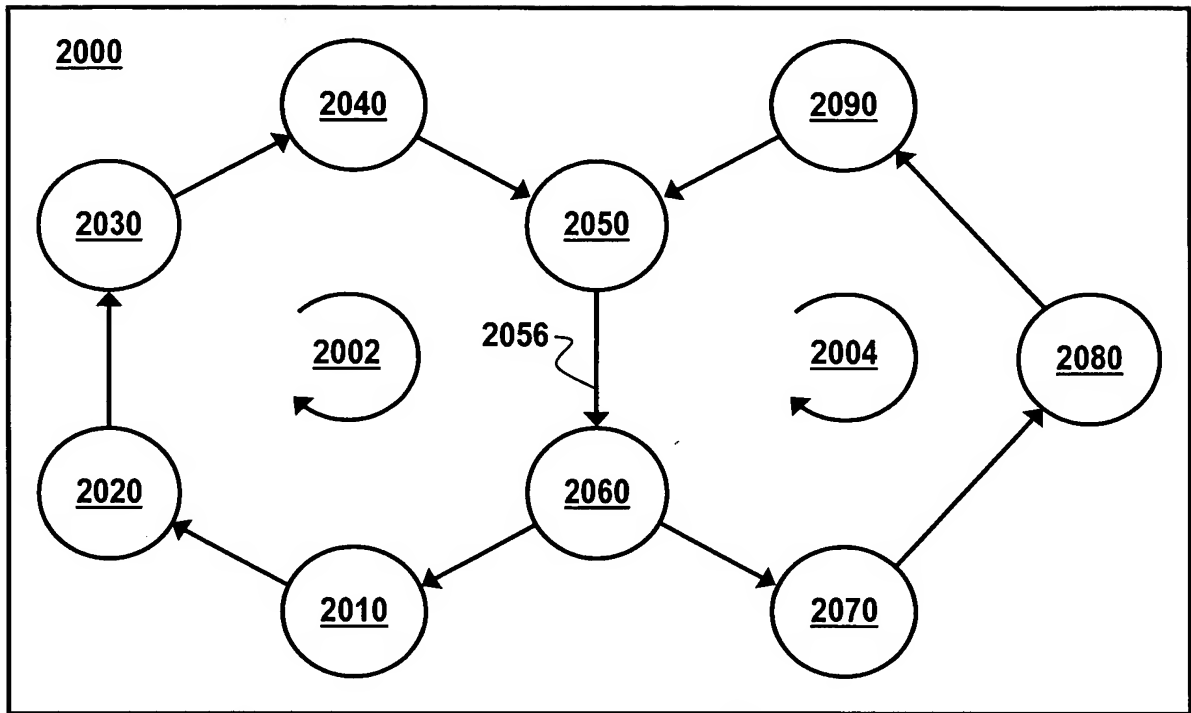


Fig. 20

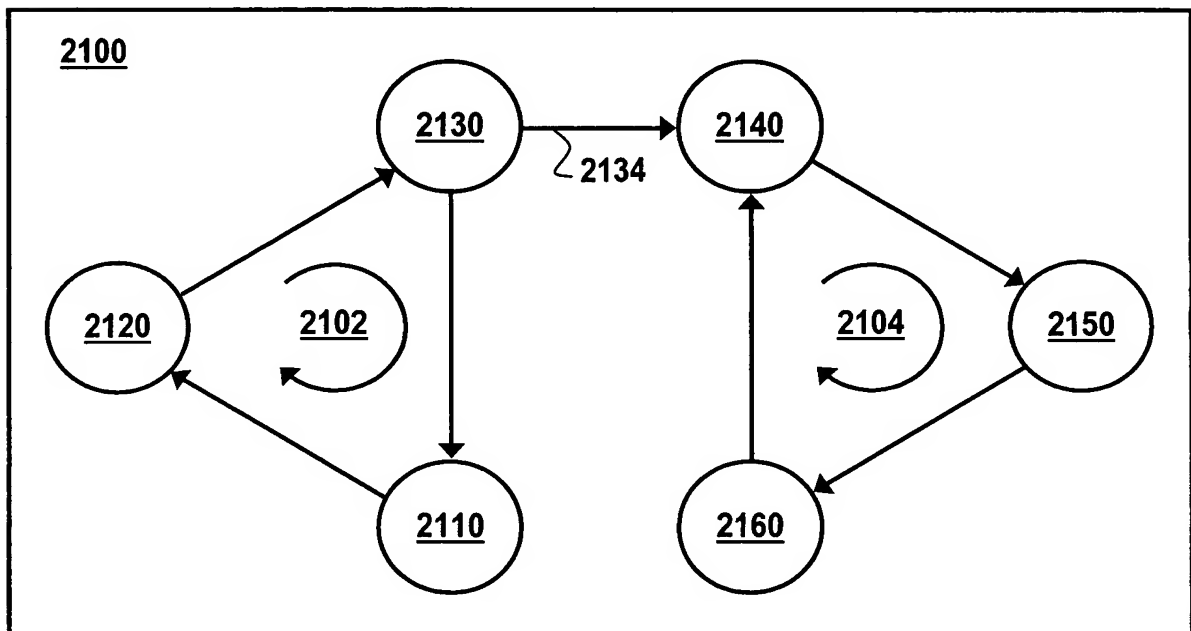


Fig. 21

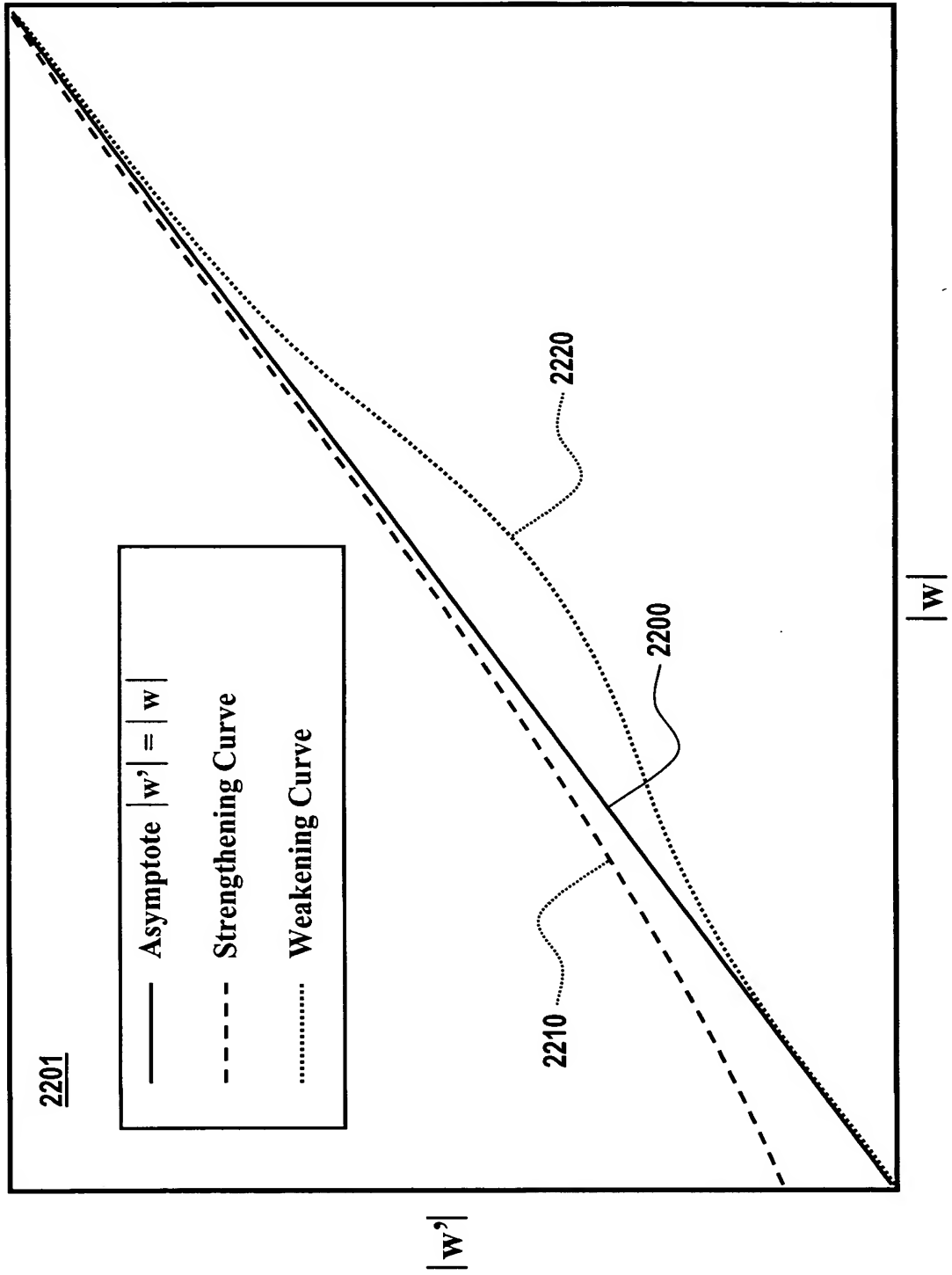
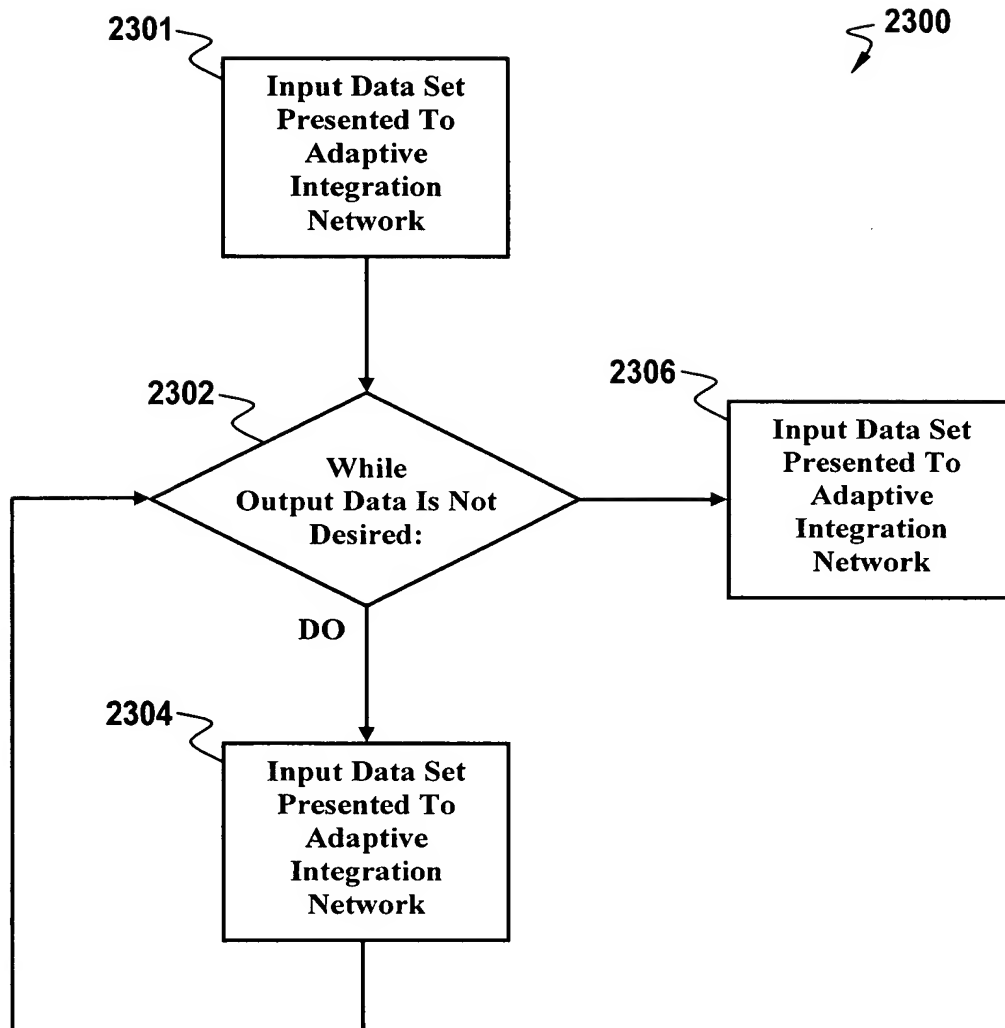


Fig. 22

*Fig. 23*

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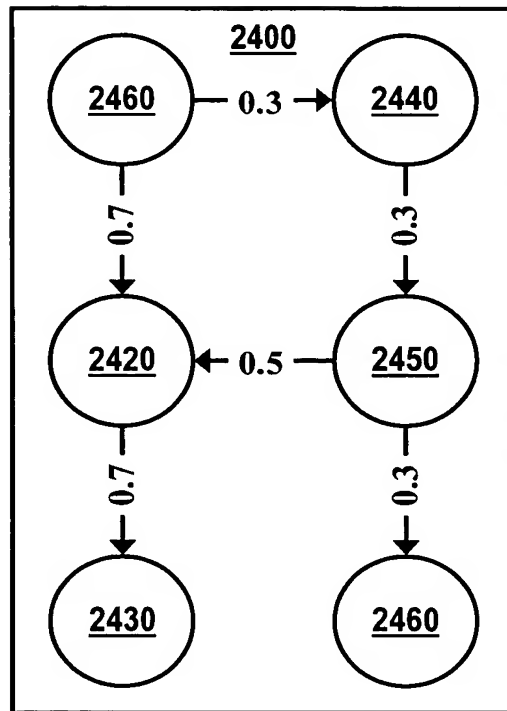


Fig. 24

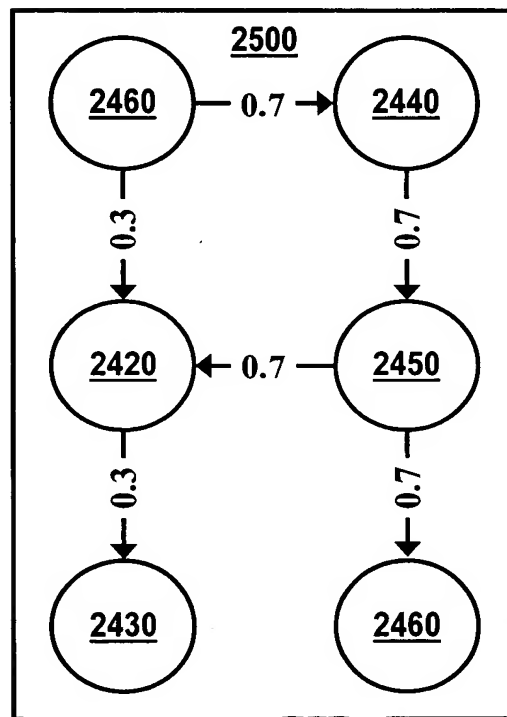
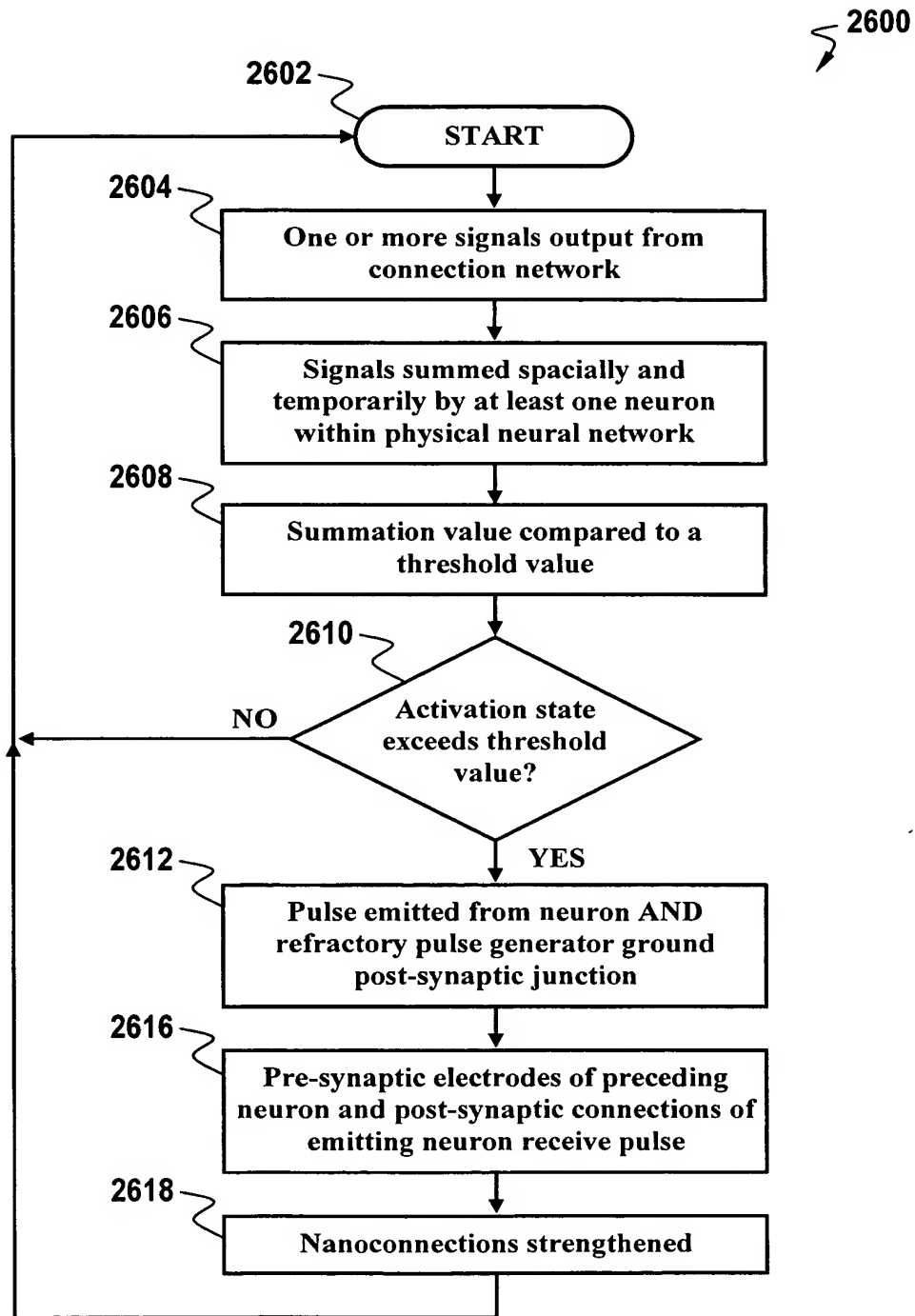


Fig. 25

*Fig. 26*

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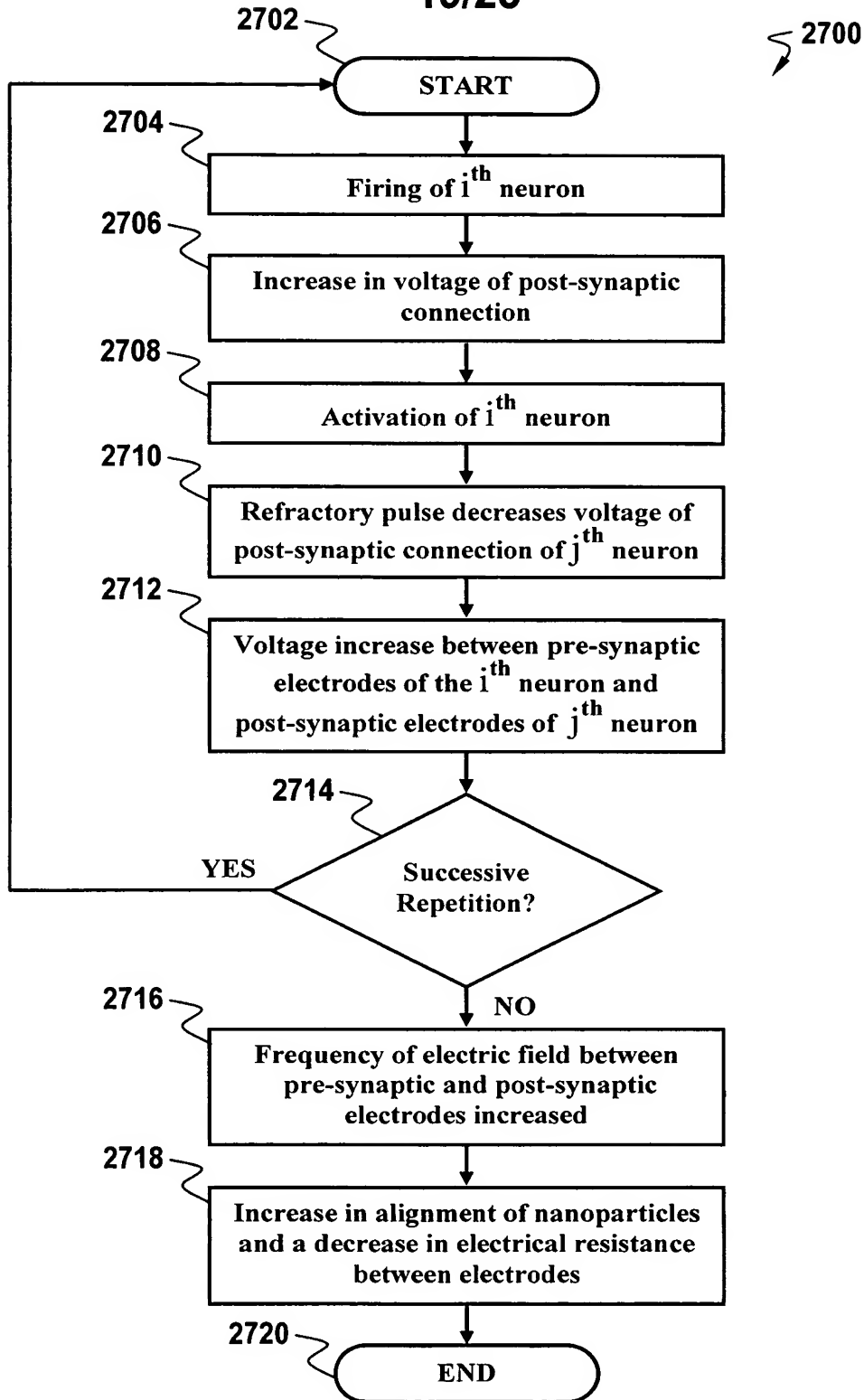


Fig. 27

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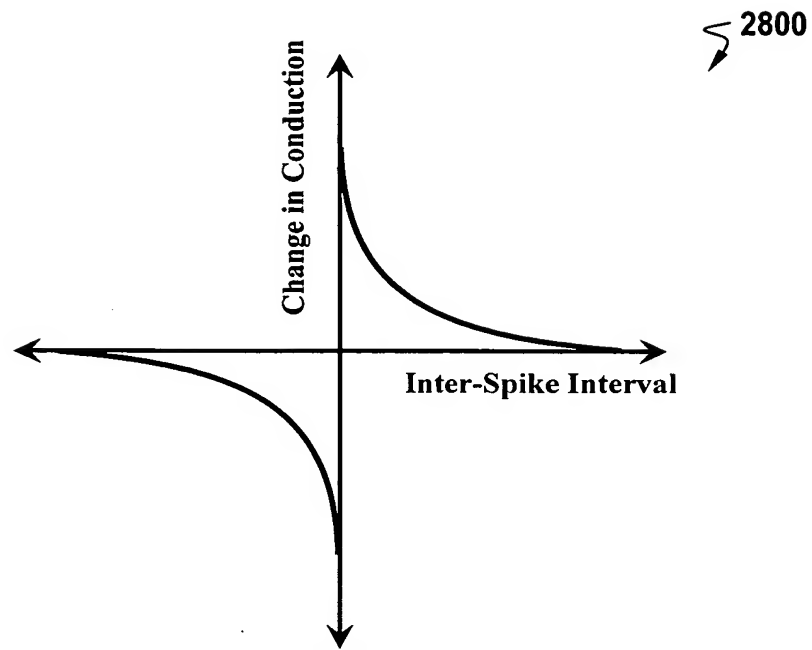


Fig. 28

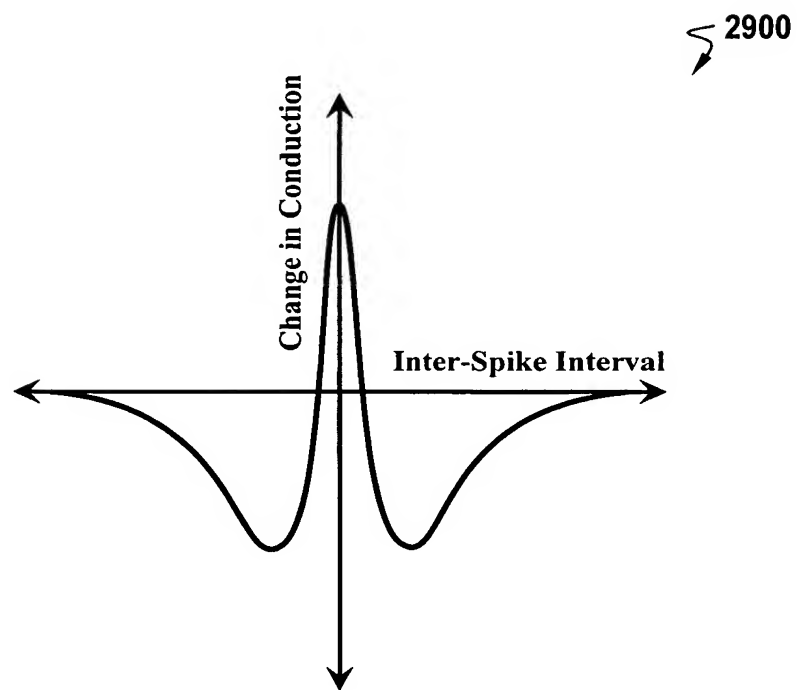


Fig. 29

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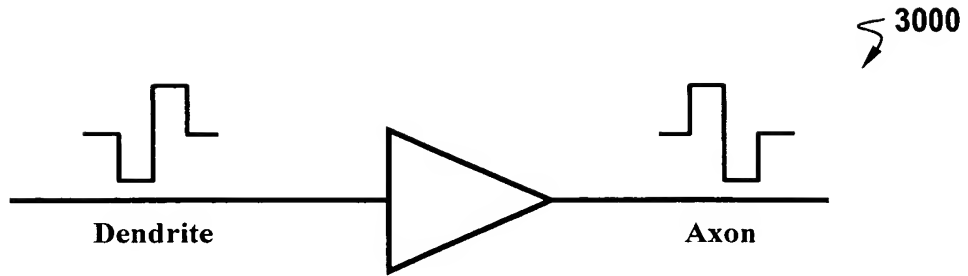


Fig. 30

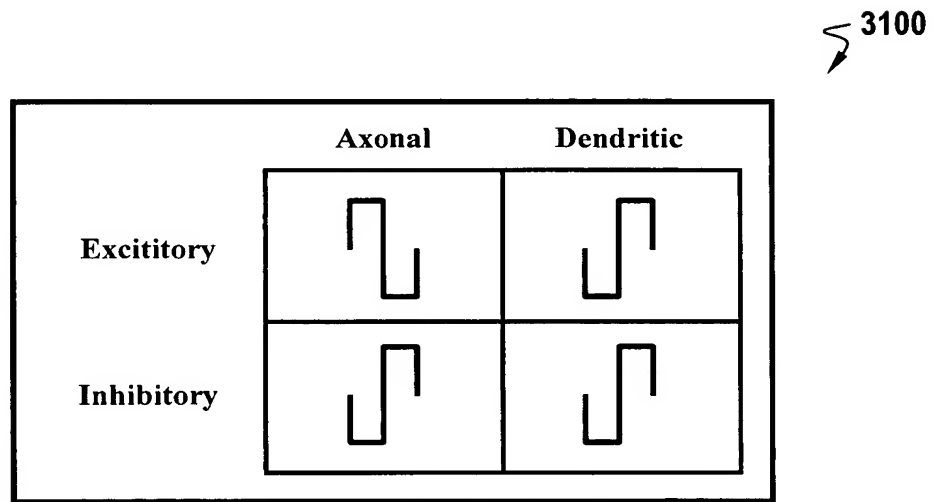


Fig. 31

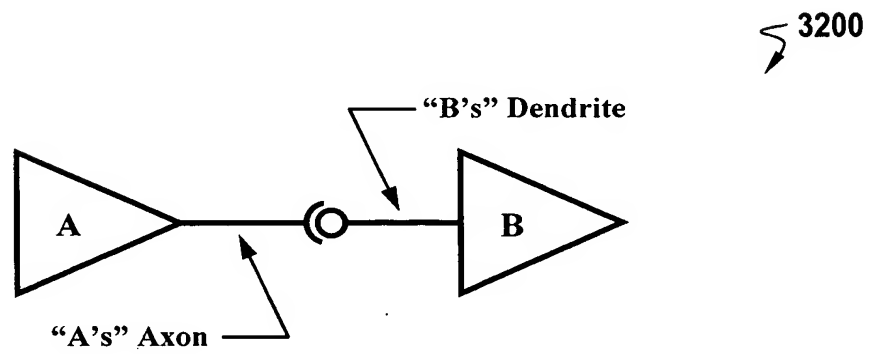


Fig. 32

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3300

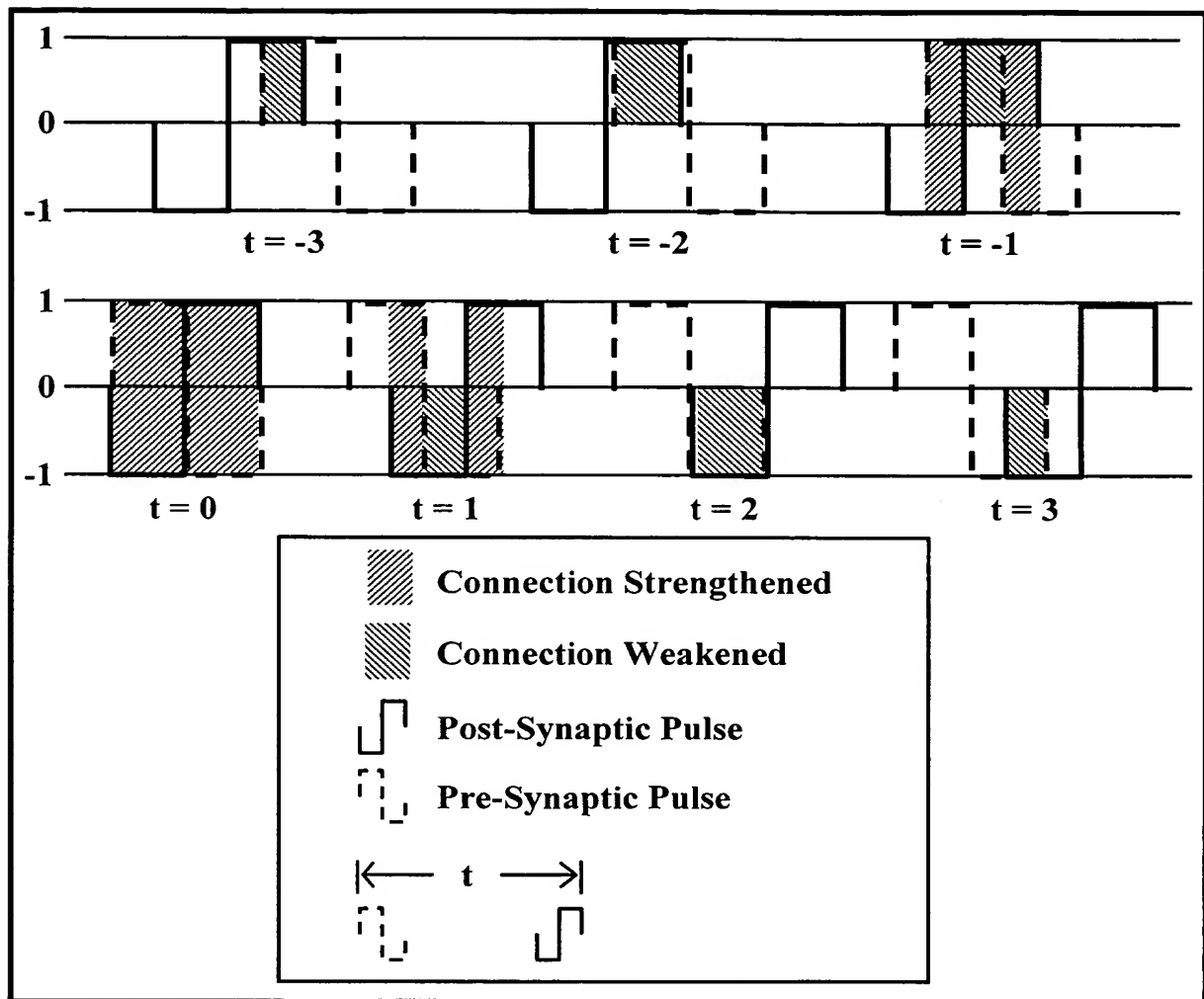


Fig. 33

3400

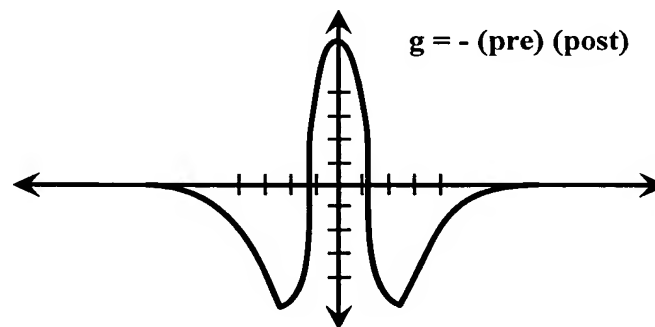


Fig. 34

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3500

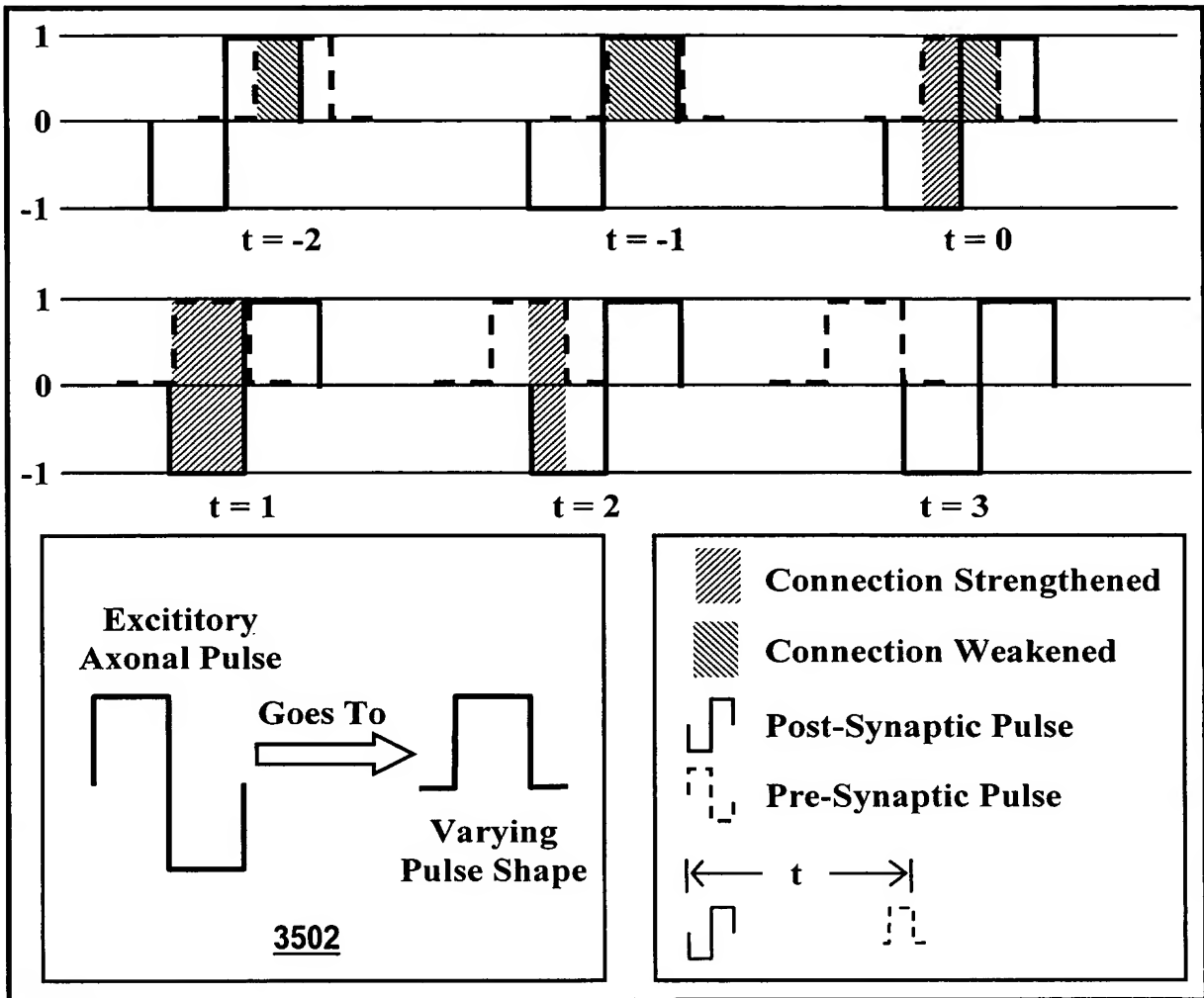


Fig. 35

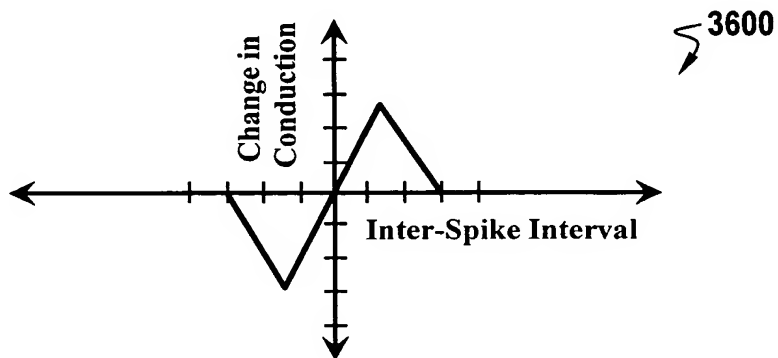


Fig. 36

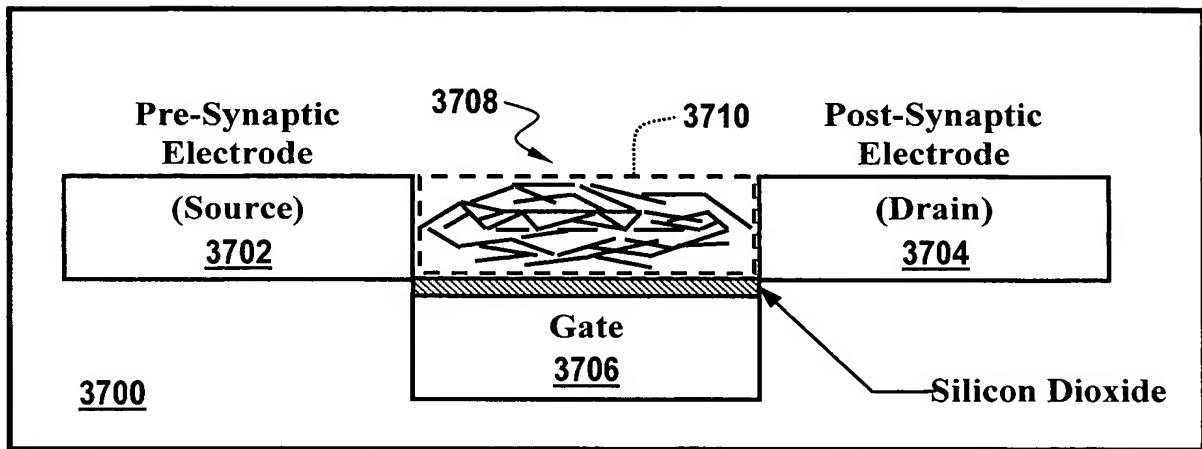


Fig. 37

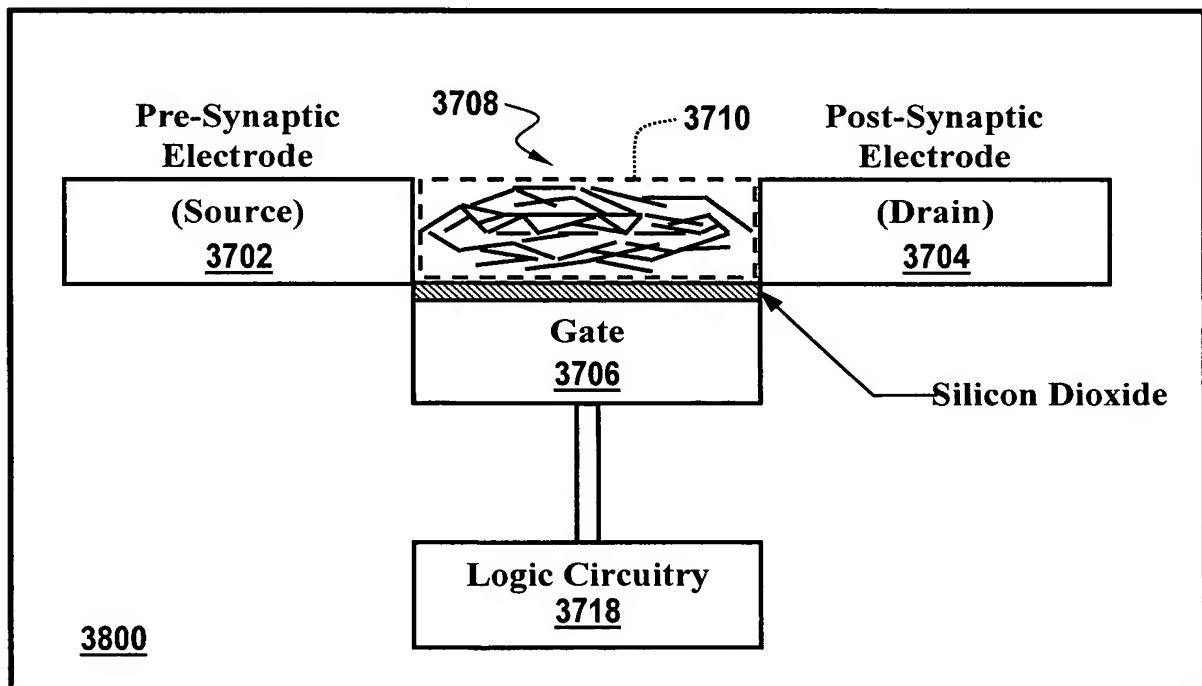
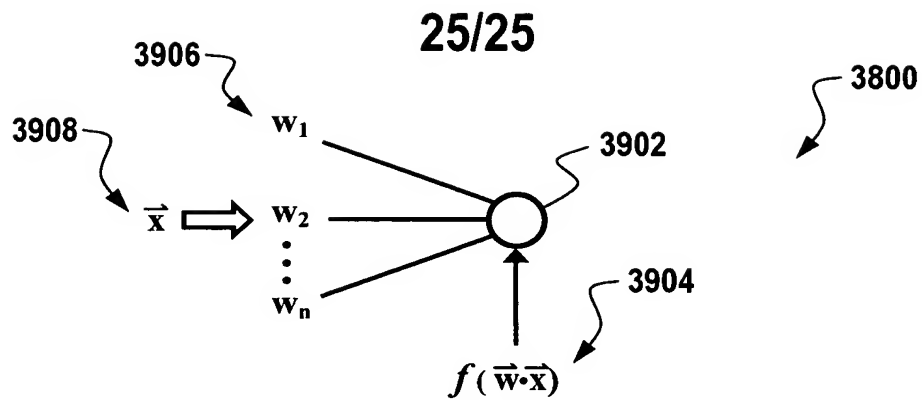


Fig. 38



Neuron Activity = $y = \sum_{i=1}^n w_i x_i$	<u>3910</u>
x = input or pre-synaptic activity	
$\Delta w = \gamma x y$, where γ = learning factor $w_{t+1} = w_t + \Delta w$ Hebbian	<u>3912</u>
$\Delta w = -\gamma x y$ anti - Hebbian	<u>3914</u>
$\Delta w = \gamma x y (f(y))$	<u>3916</u>

Fig. 39

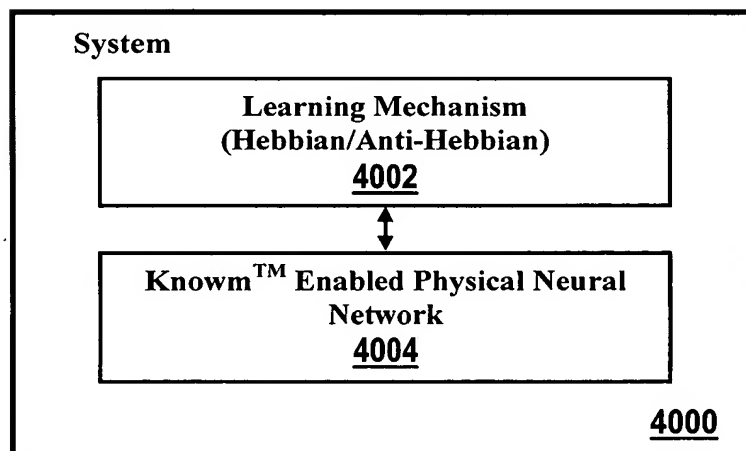


Fig. 40